

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)

Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	164.1003.01
First Named Inventor	Majidi-Ahy, Reza et al
<b>COMPLETE IF KNOWN</b>	
Application Number	09 / 475,716
Filing Date	December 30, 1999
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint

the specification of which (Title of the Invention)

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) December 30, 1999 as United States Application Number or PCT International

Application Number 09/475,716 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer  
Number Bar Code  
Label here

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplement

Direct all correspondence to: ☒ Customer Number or Bar Code Label

ation sheet PTO/SB/02C attached hereto.

OR ☐ Correspondence address below

22883

Name			
Address			
Address			
City	State	ZIP	
Country	Telephone	Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))	Family Name or Surname
Majidi-Ahy	Reza

Inventor's Signature		Date	1-14-1999
Residence: City	Los Altos	State	CA
		Country	USA
		Citizenship	US

Post Office Address	1637 South Main Street		
---------------------	------------------------	--	--

Post Office Address			
City	Milpitas	State	CA
		ZIP	95035
		Country	USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (3-97)  
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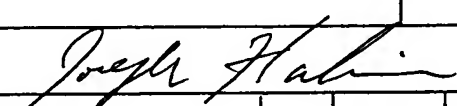
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## DECLARATION

### ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Joseph				Hakim			
Inventor's Signature						Date	2-8-00
Residence: City	Milpitas	State	CA	Country	USA	Citizenship	Canada
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Subir				Varma			
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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<h2 style="margin: 0;">DECLARATION</h2>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>1</u>
---	---

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Joseph				Hakim			
Inventor's Signature						Date	
Residence: City	Milpitas	State	CA	Country	USA	Citizenship	Canada
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Subir				Varma			
Inventor's Signature						Date	2/8/00
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

**Burden Hour Statement:** This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SEPTEMBER 21, 2000

PTAS

SWERNOFSKY LAW GROUP  
JOHN C. MERCHANT  
P.O. BOX 390013  
MOUNTAIN VIEW, CA 94039-00

**\*700002125A\***

\*700002125A\*

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RECORDATION DATE: 09/19/2000

REEL/FRAME: 010967/0071

NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BNA SYSTEMS, INC., A CORPORATION  
OF CALIFORNIA

DOC DATE: 03/01/2000

ASSIGNEE:

APERTO NETWORKS, INC.  
1637 SOUTH MAIN STREET  
A CORPORATION OF CALIFORNIA  
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09475642

PATENT NUMBER:

FILING DATE: 12/30/1999

ISSUE DATE:

SERIAL NUMBER: 09475716

PATENT NUMBER:

FILING DATE: 12/30/1999

ISSUE DATE:

010967/0071 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

22883

**RECORDATION FORM COVER SHEET  
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**TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).**

**Submission Type**

☒ New

☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #  Frame #

☐ Corrective Document

Reel #  Frame #

**Conveyance Type**

☐ Assignment

☐ Security Agreement

☐ License

☒ Change of Name

☐ Merger

☐ Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1)  BNA Systems, Inc.

Execution Date  
Month Day Year  
 03  01  2000

Name (line 2)  a corporation of California

**Second Party**

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)  Aperto Networks, Inc.

Name (line 2)  a corporation of California

Address (line 1)  1637 South Main Street

Address (line 2)

Address (line 3)  Milpitas

City

CA

State/Country

95035

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name  John C. Merchant

Address (line 1)  Swernofsky Law Group

Address (line 2)  P.O.Box 390013

Address (line 3)  Mountain View, CA 94039-0013

Address (line 4)  United States

**FOR OFFICE USE ONLY**

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Reg. No.

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

#

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:  
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☒

No

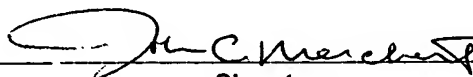
☐

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John C. Merchant

Name of Person Signing



Signature

Date



09/19/2000

700002125  
700002125

FORM PTO-1619A

Supplies 08/01/99  
OMB 0651-0027U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT****RECORDATION FORM COVER SHEET  
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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Resubmission (Non-Recordation)

Document ID#



Correction of PTO Error

Reel #

Frame #



Corrective Document

Reel #

Frame #

**Conveyance Type**

Assignment



Security Agreement



License



Change of Name



Merger



Other

U.S. Government  
(For Use ONLY by U.S. Government Agencies)

Departmental File



Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Execution Date

Month Day Year

Name (line 1) BNA Systems, Inc.

03 01 2000

Name (line 2) a corporation of California

Execution Date

Month Day Year

**Second Party**

Name (line 1)

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) Aperto Networks, Inc.

Name (line 2) a corporation of California

Address (line 1) 1637 South Main Street

Address (line 2)

Address (line 3) Milpitas

City

CA

State/Country

95035

Zip Code

☐ If document to be recorded  
is an assignment and the  
receiving party is not  
domiciled in the United  
States, an appointment  
of a domestic  
representative is attached.  
(Designation must be a  
separate document from  
Assignment.)**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name John C. Merchant

Address (line 1) Swernofsky Law Group

Address (line 2) P.O. Box 390013

Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

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Mail documents to be recorded with required cover sheet(s) information to:  
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<b>FORM PTO-1619B</b> <small>Expires 03/30/99 OMB 0551-0027</small>		<b>Page 2</b>		<b>U.S. Department of Commerce Patent and Trademark Office PATENT</b>	
<b>Correspondent Name and Address</b>			<b>Area Code and Telephone Number</b> <span style="border: 1px solid black; padding: 0 20px;">880.947.0700</span>		
<b>Name</b> <span style="border: 1px solid black; padding: 0 50px;">John C. Merchant</span>			<b>Reg. No.</b> <span style="border: 1px solid black; padding: 0 20px;">45,996</span>		
<b>Address (line 1)</b> <span style="border: 1px solid black; padding: 0 50px;">Swernofsky Law Group</span>					
<b>Address (line 2)</b> <span style="border: 1px solid black; padding: 0 50px;">P.O.Box 390013</span>					
<b>Address (line 3)</b> <span style="border: 1px solid black; padding: 0 50px;">Mountain View, CA 94038-00</span>					
<b>Address (line 4)</b> <span style="border: 1px solid black; padding: 0 50px;">United States</span>					
<b>Pages</b> Enter the total number of pages of the attached conveyance document including any attachments. # <span style="border: 1px solid black; padding: 0 10px;">3</span>					
<b>Application Number(s) or Patent Number(s)</b> <span style="float: right;"><input type="checkbox"/> Mark if additional numbers attached</span> <small>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</small>					
<b>Patent Application Number(s)</b>			<b>Patent Number(s)</b>		
09475842	09475718				
<small>If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.</small>					
<div style="display: flex; justify-content: space-between;"><div><b>Patent Cooperation Treaty (PCT)</b> Enter PCT application number only if a U.S. Application Number has not been assigned.</div><div style="display: flex; justify-content: space-between;"><div>PCT <span style="border: 1px solid black; padding: 0 20px;"></span></div><div>PCT <span style="border: 1px solid black; padding: 0 20px;"></span></div><div>PCT <span style="border: 1px solid black; padding: 0 20px;"></span></div></div></div>					
<b>Number of Properties</b> Enter the total number of properties involved. # <span style="border: 1px solid black; padding: 0 10px;">2</span>					
<b>Fee Amount</b> Fee Amount for Properties Listed (37 CFR 3.41): \$ <span style="border: 1px solid black; padding: 0 20px;">80.00</span>					
<b>Method of Payment:</b> Enclosed <input type="checkbox"/> Deposit Account <input checked="" type="checkbox"/>					
<small>Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account)</small>					
<b>Deposit Account Number:</b> # <span style="border: 1px solid black; padding: 0 20px;">60-0365</span>					
<b>Authorization to charge additional fees:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
<b>Statement and Signature</b>					
<i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.</i>					
<b>Name of Person Signing</b>				<b>Date</b>	
John C. Merchant				9-19-00	

A0541301



## SECRETARY OF STATE

I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 2 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

**IN WITNESS WHEREOF**, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 21 2000

*Bill Jones*

Secretary of State

A0541301

**ENDORSED - FILED**  
in the office of the Secretary of State  
of the State of California

MAR 15 2000

GILL JONES, Secretary of State

**CERTIFICATE OF AMENDMENT OF THE  
ARTICLES OF INCORPORATION OF  
BNA SYSTEMS, INC.  
A California Corporation**

The undersigned, Reza Ahy and Judith M. O'Brien, hereby certify that:

**ONE:** They are the duly elected and acting President and Chief Executive Officer and Secretary, respectively, of BNA Systems, Inc., a California corporation.

**TWO:** Article I of the Articles of Incorporation of said Corporation is amended to read in its entirety as follows:

**ARTICLE I**

The name of this Corporation is Aperto Networks, Inc. (the "Corporation").

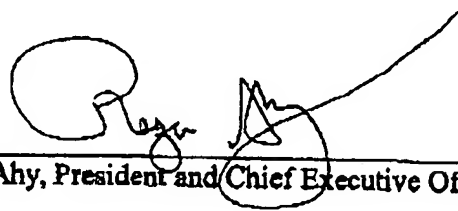
**THREE:** The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the Board of Directors of said Corporation.

**FOUR:** The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the required vote of shareholders in accordance with Sections 902 and 903 of the California Corporations Code. The total number of outstanding shares of Common Stock of the Corporation entitled to vote hereon is 2,469,574. The total number of outstanding shares of Series A Preferred Stock entitled to vote hereon is 5,116,188. The number of shares voting in favor of the amendment equaled or exceeded the vote required. The percentage voted required was more than 50% of the outstanding shares of the Common Stock and Preferred Stock, voting as a single class.

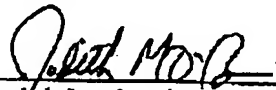
[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

The undersigned certify under penalty of perjury that they have read the foregoing Certificate of Amendment of the Articles of Incorporation and know the contents thereof, and that the statements therein are true.

IN WITNESS WHEREOF, the undersigned have executed this certificate on March 17, 2000.



Reza Ahy, President and Chief Executive Officer



Judith M. O'Brien, Secretary





**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 03, 2000

PTAS

SWERNOFSKY LAW GROUP  
DANIEL B. CURTIS  
P.O. BOX 390013  
MOUNTAIN VIEW, CA 94039



\*101347034A\*

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RECORDATION DATE: 04/10/2000

REEL/FRAME: 010749/0353  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

REZA, MAJIDI-AHY

DOC DATE: 01/24/2000

ASSIGNOR:

HAKIM, JOSEPH

DOC DATE: 02/08/2000

ASSIGNOR:

VARMA, SUBIR

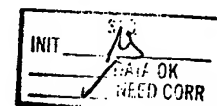
DOC DATE: 02/08/2000

ASSIGNEE:

BNA SYSTEMS, INC.  
1637 SOUTH MAIN  
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09475716  
PATENT NUMBER:

FILING DATE: 12/30/1999  
ISSUE DATE:



CTS

010749/0353 PAGE 2

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
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FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

05-05-2000

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

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Reel #

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**Conveyance Type**

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

**U.S. Government**

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Name (line 1) Reza, Majidi-Ahy

Execution Date  
Month Day Year  
01 24 00

Name (line 2)

**Second Party**

Name (line 1) Hakim, Joseph

Execution Date  
Month Day Year  
02 08 00

Name (line 2)

**Receiving Party**

☒ Mark if additional names of receiving parties attached

Name (line 1) BNA Systems, Inc.

Name (line 2) a Corporation of California

Address (line 1) 1637 South Main

Address (line 2)

Address (line 3) Milpitas

CA

95035

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Daniel B. Curtis

Address (line 1) Swernofsky Law Group

Address (line 2) P.O.Box 390013

Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

05/05/2000 DATES 00000293 500365 09475716

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**Correspondent Name and Address**

Area Code and Telephone Number

Name

Reg. No.

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments.

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**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:  
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☒

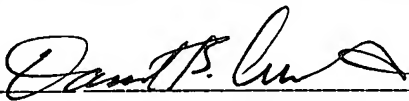
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☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Daniel B. Curtis



April 4, 2000

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) Varma, Subir

02 08 00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

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**Patent Application Number(s)**

**Patent Number(s)**



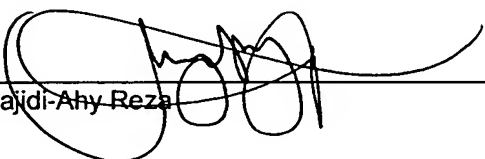
**ASSIGNMENT**

WHEREAS, we, Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, Joseph Hakim, a citizen of Canada, residing at Milpitas, California, and Subir Varma, a citizen of United States, residing at San Jose, California, have invented a **"Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint"** for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,716**; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Reza Majidi-Ahy, Joseph Hakim, and Subir Varma, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at \_\_\_\_\_, this 12-14-2000 day of \_\_\_\_\_, 2000.

  
\_\_\_\_\_  
Majidi-Ahy Reza

\_\_\_\_\_  
Joseph Hakim

\_\_\_\_\_  
Subir Varma

## ASSIGNMENT


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WITNESS OUR HAND at \_\_\_\_\_, this 8<sup>th</sup> day of February, 2000.

\_\_\_\_\_  
Majidi-Ahy Reza

  
\_\_\_\_\_  
Joseph Hakim

\_\_\_\_\_  
Subir Varma

## ASSIGNMENT

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\_\_\_\_\_  
Majidi-Ahy Reza

\_\_\_\_\_  
Joseph Hakim

  
\_\_\_\_\_  
Subir Varma

Please type a plus sign (+) inside this box→ ☐

PTO/SB/81 (11-96)

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT,  
NOT ACCOMPANYING  
APPLICATION**

Application Number	09/475,716
Filing Date	December 30, 1999
First Named Inventor	Majidi-Ahy, Reza et al
Group Art Unit	2749
Examiner Name	Not Assigned
Attorney Docket Number	164.1003.01

I hereby appoint:

☒ Practitioners at Customer Number

22883

OR

☐ Practitioner(s) named below:

22883

Name	Regist. No.

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

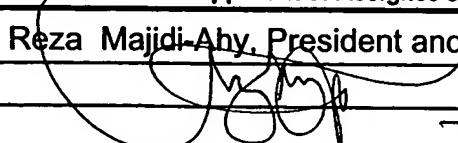
<input type="checkbox"/> Firm or Individual Name				
Address				
Address				
City		State		ZIP
Country				
Telephone		Fax		

I am the:

☐ Applicant.

☒ Assignee of record of the entire interest  
*Certificate under 37 CFR 3.73(b) is enclosed*

**SIGNATURE of Applicant or Assignee of Record**

Name	Reza Majidi-Ahy, President and CEO
Signature	
Date	Jan -15-00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Majidi-Ahy, Reza et al

Application No./Patent No.: 09/475,716 Filed/Issue Date: December 30, 1999

Entitled: Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint

BNA Systems, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at  
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2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

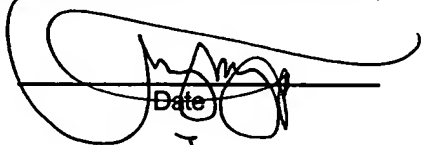
The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.


☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

  
 Date Jan - 15 - 00

  
 Signature  
Reza Majidi-Ahy  
 Typed or printed name

President and CEO

Title

COPY

22883

164.1003.01

ASSIGNMENT

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\_\_\_\_\_  
Majidi-Ahy Reza

Joseph Hakim  
Joseph Hakim

\_\_\_\_\_  
Subir Varma



COPIED

22883

164.1003.01

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Majidi-Ahy Reza

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Joseph Hakim

  
\_\_\_\_\_  
Subir Varma

22883

COPY

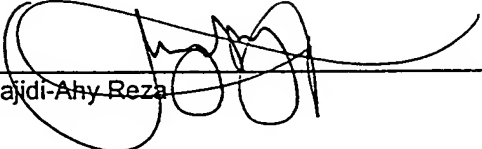

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\_\_\_\_\_  
Majidi-Ahy Reza  
\_\_\_\_\_  
Joseph Hakim  
\_\_\_\_\_  
Subir Varma

Assignment